

# **DISTRICT 11**

## **MATERIALS INFORMATION BROCHURE**

**MATERIALS ENGINEERING BRANCH**

**11-SD-125  
KP 22.3  
11-260521**

***CT***

CALIFORNIA DEPARTMENT OF TRANSPORTATION

# Memorandum

To : LEON EDMONDS  
Office Engineer  
District 11

Date: April 29, 2004

File: 11-SD-125  
KP 22.3  
EA 11-260521

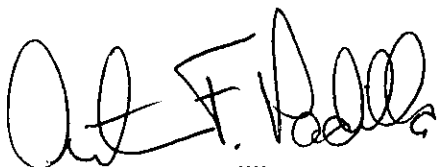
From : **DEPARTMENT OF TRANSPORTATION - DISTRICT 11**  
Materials Engineering Branch

Subject: Materials Information Brochure

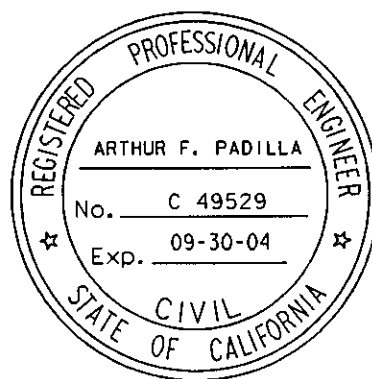
Attached herewith for your consideration

**MATERIALS INFORMATION**  
**FOR PROPOSED PROJECT ON ROUTE 125**  
**IN SAN DIEGO COUNTY**  
**STATE ROUTE 125**

**For construction of a portion of Route 125**  
**In San Diego County**



Arthur F. Padilla  
District Materials Engineer



cc: JHaven (35)  
R Hopkins (72)  
C Thomas (35)  
L Medina (35)  
Const. Admin. Senior (73)  
Project File (mib 260521.doc)

## **MATERIALS INFORMATION**

11-SD-125  
KP 22.3  
EA 260521

NOTE: Information contained herein has been compiled in accordance with Section 2-1.03 of the Standard Specifications. Additional information is available for review at the District 11, Materials Laboratory, 7177 Opportunity Road, San Diego, California.

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## **MATERIALS INFORMATION**

### **R-VALUE**

The recommended design R-value of  $<5$  is based on a previous Geotechnical Design Report dated July 16, 1993.

### **CORROSION ANALYSIS**

As reported in the Geotechnical Design Report, dated July 16, 1993, the project soils are rated generally as corrosive to metal and reinforced concrete.

### **RECOMMENDED CULVERT ALTERNATIVES**

Plastic pipe may either be Type C corrugated polyethylene pipe or Type S corrugated polyethylene pipe, ribbed profile wall polyethylene pipe or ribbed profile wall polyvinyl chloride pipe.

### **GRADING FACTORS**

As reported in the Geotechnical Design Report, dated July 16, 1993, removal and recompaction of existing soils to 95% will produce a grading factor of 1.03 or 3.0% swell.

### **EARTHWORK QUANTITIES**

The following earthwork quantities were provided through the Engineer's Estimate.

Roadway Excavation	47,600 m <sup>3</sup>
Embankment	3,900 m <sup>3</sup>

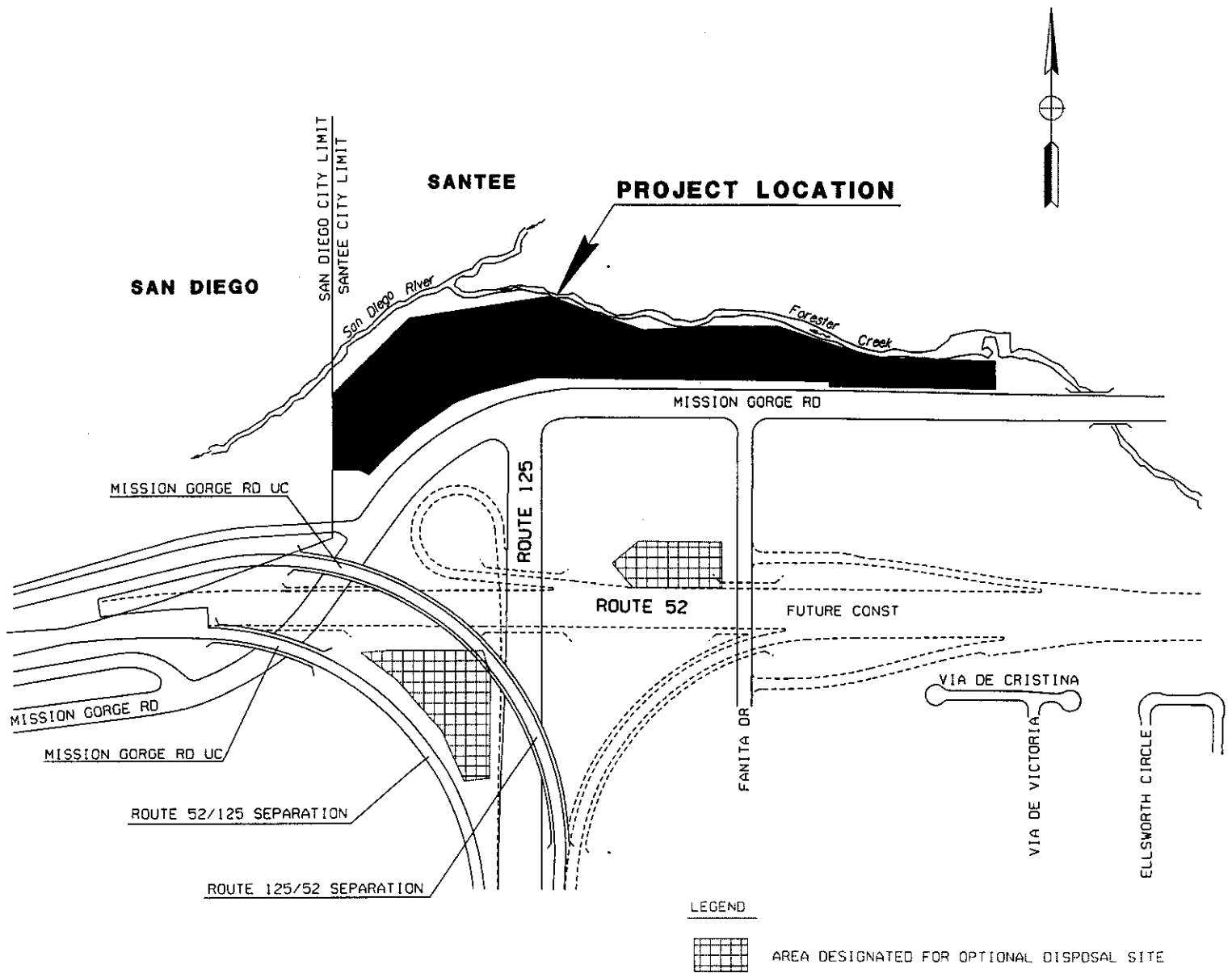
### **OPTIONAL DISPOSAL SITE**

At the contractors option, an area is available near the SR-125 and future SR-52 junction as shown on sheets 4-5 of this brochure. If this area is used as a disposal site, the Contractor shall submit plans to the Engineer showing the temporary water pollution control, and traffic handling. The Engineer will review and provide comments to the Contractor. The Contractor will re-submit the plans and the Engineer will approve them prior to use of this site. The approximate amount of material that could be placed at this site is 46,000 m<sup>3</sup>.

## **MATERIALS SOURCES**

A current list (dated April 07, 2004) of mining operations eligible to sell materials such as aggregates to the State of California in San Diego County follows:

<b>Calif. Mine ID</b>	<b>Mine Name</b>	<b>Operated By</b>
91-37-0002	NORTH TWIN OAKS VALLEY QUARRY	HANSON AGGREGATE CO.
91-37-0005	PALA ROCK PLANT (SAND)	HANSON AGGREGATE CO.
91-37-0007	CARROLL CANYON PLANT	HANSON AGGREGATE CO.
91-37-0010	LAKESIDE SAND PIT	C.W. MCGRATH, INC.
91-37-0011	HILLSDALE PIT	C.W. MCGRATH, INC.
91-37-0012	EL CORZAN	CITY OF OCEANSIDE
91-37-0013	SIM J. HARRIS COMPANY	HANSON AGGREGATE CO.
91-37-0015	UCLH SAN MARCOS	HANSON AGGREGATE CO.
91-37-0016	OCEANSIDE/CARLSBAD	HANSON AGGREGATE CO.
91-37-0019	TTT QUARRY	SUPERIOR READY MIX CONCRETE
91-37-0020	HESTER'S GRANITE	HANSON AGG
91-37-0021	SLAUGHTER HOUSE CANYON	PIONEER CONCRETE OF CA., INC.
91-37-0022	MCGRATH BORROW PIT	C.W. MCGRATH, INC.
91-37-0024	MISSION GORGE PIT	SUPERIOR READY MIX CONCRETE, L
91-37-0025	RCP PITS 1,2,3, & 5 INCLUSIVE	RCP BLOCK & BRICK, INC.
91-37-0026	MISSION VALLEY	CALMAT CO
91-37-0027	SLOAN CANYON	SLOAN CANYON SAND COMPNAY
91-37-0028	MISSION VALLEY-EX FENTON	CALMAT CO
91-37-0029	CARROLL CANYON	CALMAT CO
91-37-0030	VULCAN – POWAY	VULCAN MATERIALS
91-37-0033	LAKESIDE	VULCAN MATERIALS
91-37-0034	EL MONTE PIT	HANSON AGGREGATE CO.
91-37-0035	OTAY RANCH PIT	HANSON AGGREGATE CO.
91-37-0036	NELSON & SLOAN PIT 12	HANSON AGGREGATE CO.
91-37-0037	BORDER HIGHLANDS PIT	JIM & LOIS NELSON LP
91-37-0042	MONTE VISTA BORROW PIT	SAN DIEGO COUNTY PUBLIC WORKS
91-37-0043	ALLEN BORROW PIT	SAN DIEGO COUNTY PUBLIC WORKS
91-37-0044	BUCKMAN SPRINGS BORROW PIT	SAN DIEGO COUNTY PUBLIC WORKS
91-37-0045	OLIVE STREET BORROW PIT	SAN DIEGO COUNTY PUBLIC WORKS
91-37-0046	MCCAIN BORROW PIT	SAN DIEGO COUNTY PUBLIC WORKS
91-37-0047	BURNAND BORROW PIT	SAN DIEGO COUNTY PUBLIC WORKS
91-37-0048	WARNER BORROW PIT	SAN DIEGO COUNTY PUBLIC WORKS
91-37-0050	MORETTI-MESA GRANDE B.P.	SAN DIEGO COUNTY PUBLIC WORKS
91-37-0052	NATIONAL QUARRIES	NATIONAL QUARRIES
91-37-0053	JAMUL QUARRY	CALMAT CO.
91-37-0054	INLAND VALLEY MATERIALS	INLAND VALLEY MATERIALS
91-37-0056	PALO VERDE LAKE DESILTATION &	PALO VERDE RANCH HOA
91-37-0057	THE PAUMA VALLEY COUNTRY CLUB	THE PAUMA VALLEY COUNTRY CLUB
91-37-0063	WOODWARD SAND	LAKESIDE LAND COMPANY, INC.
91-37-0064	BAXTER QUARRY	M.J. BAXTER DRILLING COMPANY



## VICINITY MAP

NO SCALE

11-260521

REQUEST

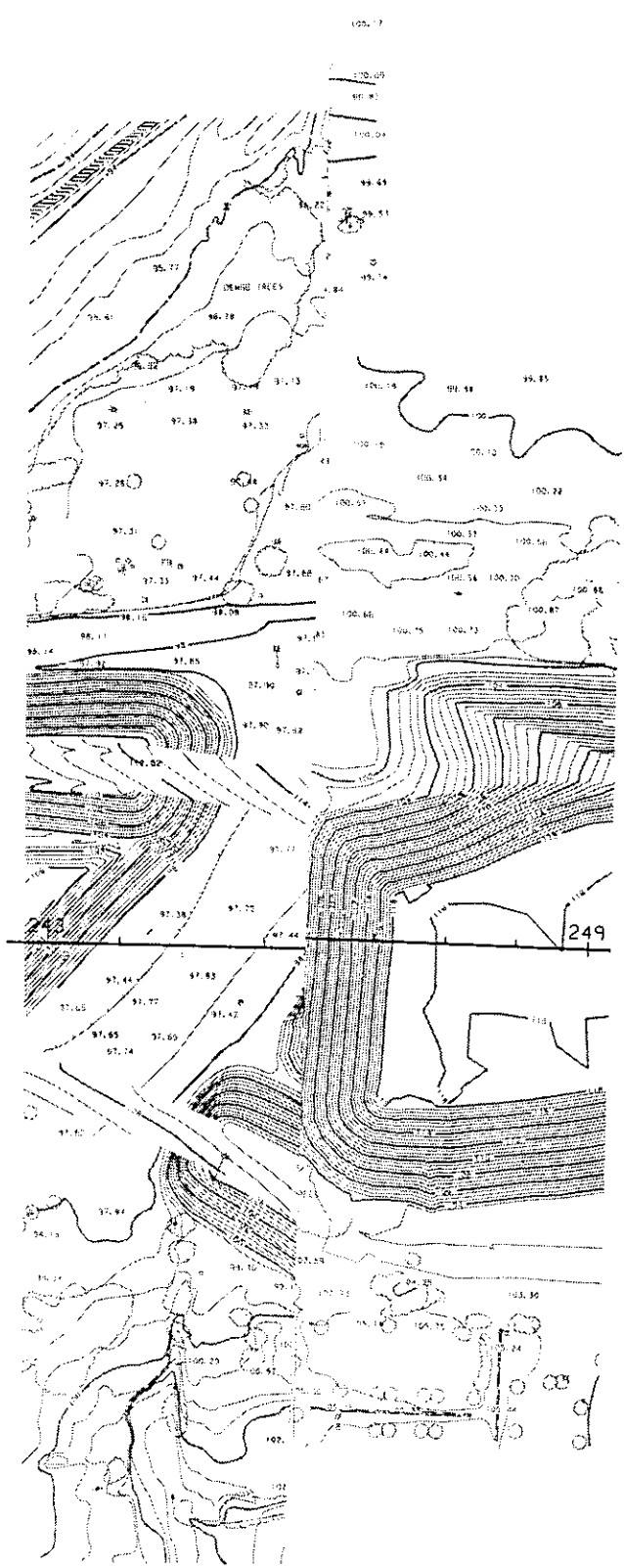
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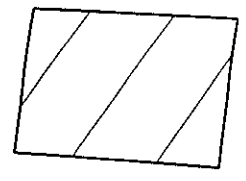
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		PROJECT ENGINEER	DATE		REVISED BY	
<b>Caltrans</b>		<b>ISMAEL SALAZAR</b>				
LANDSCAPE ARCHITECTURE			CALCULATED/DESIGNED BY		DATE REVISED	
			CHECKED BY			



**LEGEND**



**AREA DESI  
OPTIONAL**

**OPTIONAL DISPOSAL SITE**  
SCALE 1:1000

CU 11342

EA 260521

LAST REVISION  
04-21-04  
DATE PLOTTED >> \$DATE  
TIME PLOTTED >> \$TIME